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PANAMA CANAL

POR THE

MONTH OF AUGUST, 1915

CHAS. P. MASON

Lieut, Colonel, Medikal Goros, Unifed States Army Chief Health Officer, Balbie, Hotelta, Cim o Zone

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REPORT

OF THE

DEPARTMENT OF HEALTH

OF THE

PANAMA CANAL

FOR THE

MONTH OF AUGUST, 1915

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army Chief Health Officer, Balboa Heights, Canal Zone

> WASHINGTON 1915



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LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE,
HEALTH DEPARTMENT,
Balboa Heights, September 13, 1915.

Lieut. Col. CHESTER HARDING,

Acting Governor of the Panama Canal,

Balboa Heights, Canal Zone.

SIR: I have the honor to submit the following report of the operations of the department of health for the month of August, 1915.

Very respectfully,

Chas. F. Mason, Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague have originated on or were brought to the Isthmus during the month.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees remained good during the month. The number of names on the rolls for the preceding month was 36.024.

The total number of admissions to hospitals and quarters was 1,007, a rate of 335.44 per thousand, as compared with 389.22 for the preceding month, and 367.62 for the corresponding month of last year.

The total number of deaths from all causes was 17; of these, 12 died from disease, or 3.99 per thousand, as compared with 3.34 for the preceding month and 3.26 for the corresponding month of last year.

The constantly noneffective rate was 10.22, compared with 10.71 for the preceding month and 11.32 for the corresponding month of last year.

The total admission rate for malaria, hospitals and quarters, was 72.28, compared with 101.39 for last month and 89.73 for the corresponding period of last year, and the total noneffective rate 1.63, compared with 1.94 for last month and 1.95 for August, 1914. Malaria caused 21 per cent of all admissions to hospitals and quarters. Sixteen per cent of the total noneffective rate was caused by malaria. The diseases next to malaria causing the highest admission rates, in the order of their numerical importance, were: Diseases of the digestive system, venereal diseases, and diseases of the respiratory and circulatory systems. These five classes of diseases caused 55 per cent of all admissions to hospitals.

The admission rate for typhoid fever was 0.33, while the rate for the previous month was 0 and for the corresponding period of last year 0.27.

EFFECTS OF RACE.

The admission rate to hospitals and the death rate for disease for black employees were 169.35 and 3.44 per thousand, as compared with 432.45 and 7.77 for white employees. The noneffective rate for disease and injuries for black employees per thousand was 8.50, as compared with 21.87 for white employees.

The admission rate to hospitals and quarters for malaria was 55.81

per thousand for blacks, as compared with 183.86 for whites.

The death rate among Americans was 5.78, and the admission rate to hospitals for disease was 291.91. The admission rate for malaria to hospitals and quarters was 147.40 for Americans.

DEPORTATIONS.

There were 6 deportations accomplished during the month, all of whom were employees; for disease 2, and for injury 4.

CANAL ZONE.

The population of the Canal Zone is 30,219, among whom there was a total of 50 deaths. Of these, 46 deaths were for disease, giving a rate of 18.26 per thousand, as compared with 11.58 for the preceding month and 16.23 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years was 50, compared with 38 last month.

There were 59 births reported, giving a rate of 23.42 per thousand. Of these births 15 were of white and 44 of colored children. There were 18 deaths of children under 1 year of age, 2 white and 16 colored, giving an infant mortality of 133 for white and 364 for colored children, with a general average of 305. The percentage of still-

births to total births was 5.

PANAMA CITY.

The population of the city is 60,373, among whom there was a total of 149 deaths; of these, 146 deaths were from disease, giving a rate of 29.02 per thousand, as compared with 25.24 for the preceding month and 23.55 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 49, compared with 59 last month. The principal causes of death showing an increase as compared with July were: Malaria, 6, as against 1 last month; tuberculosis, 25, as compared with 17 for the preceding month; and lobar pneumonia, 6, as against 2 for the month of July.

There were 274 births reported, giving a rate of 54.46 per thousand. The infant mortality was 161 per thousand. The percent-

age of stillbirths to total births was 6.

COLON.

The population of the city is 29,331, among whom there were 54 deaths; of these, 51 deaths were from disease, giving a rate of 20.86,

as compared with 24.14 for the preceding month and 22.54 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years was 51, compared with 51 last month.

The principal causes of death showing an increase as compared with July were: Dysentery 1, as against none last month; pneumonia 4, as compared with 3 for the preceding month; gastritis 2, as compared with none for the month of July.

There were 55 births reported, giving a rate of 22.50 per thousand. The infant mortality was 327 per thousand. The percentage of

stillbirths to total births was 2.

HOSPITAL DIVISION.

ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 470.44. The per capita cost of patients in hospital proper was \$1.988 gross and \$0.984 net. The net per capita cost of patients in the insane asylum was \$0.377.

INSANE DEPARTMENT.

Thirteen patients were admitted for mental observation during the month, 5 of whom had been committed to the institution for that purpose in former years. Fifteen of the 17 patients discharged had recovered full possession of their mental faculties or were found not to be insane after repeated and thorough examinations, and the other 2 were deported in an unimproved condition to the Dutch West Indies and the United States.

Two deaths occurred among the insane female population.

There were no admissions of the physically disabled to the farm department in the month, but 3 of this class of inmates were discharged at their own request, and 1 of these was deported by the Panama Canal to his home in Jamaica.

On the 21st instant authority was granted for the consolidation of the Corozal Hospital for the Insane and the hospital farm at Corozal, which hereafter will be operated under the name of

Corozal Hospital.

The principal object of this merger was to concentrate administration and jurisdiction, to simplify accounting and to place the hospital on the same basis as those insane institutions in the United States carrying on occupational treatment and farm operations conjointly.

Construction work done by the mentally affected patients, such as grading the grounds, setting out trees, plants, hedges, etc., continues with gratifying results, and those thus employed are notice-

ably quiet, contented, and healthy.

The dairy, piggery, poultry yard, and garden are being operated with profit to the institution. During the coming month 500 White Leghorn and Rhode Island pullets will be received from the States to replace an equal number of hens at this place the usefulness of which has practically ended through age, thus necessitating their disposal by marketing.

CHRONIC WARD.

There were 24.58 chronic and incurable patients constantly cared for during the month. The cost per patient per day was \$0.265.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The average number of employees constantly sick was 40 91. The average number of days' treatment per employee was 7.68. The per capita cost of patients was \$2 42 gross and \$1.72 net. Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 57, compared with 56 for the preceding month.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,334 patients was treated, 63 less than for the preceding month. The daily average of patients in hospital was 448, as compared with 443 for July, and the total number of hospital days was 13,891, as compared with 13,746 for the preceding month. A total of 87 deaths have occurred, with tuberculosis, malaria, organic disease of heart, and measles the chief causes, in the order named.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Gatun, with an average weekly percentage of 1.06; that having the lowest was Ancon, with a percentage of 0.09.

Detailed statistics are shown in Table IX.

SANITATION-CANAL ZONE.

The following communicable diseases were reported during the month:

Measles	9
Typhoid fever	1
Mumps.	3
Diphtheria	
Dipintiera	104
Malarial fever	194
Tuberculosis	14
Whooping cough	6
Dysantary	9
Dysentery. Rubella (rotheln).	- 7
Rubena (rothem)	į.

Detailed statistics are shown in Table XVII.

SANITATION-PANAMA.

The favorable malarial conditions continued during the greater part of the month. One week there were no cases of malaria reported, thus attaining the zero mark for the first time. In the past few days, since the heavy rains began, anopheles larvæ have been found in increased numbers.

BUSH CUTTING.

In addition to the regular amount of grass cutting, an extra work gang of 25 men has been cutting the jungle on this side of the Curundu River. A few pools and what is believed to be an old river bed were discovered, which were ideal places for mosquito breeding.

VACCINATION.

The vaccination of school children has been completed, thus finishing the vaccinations for the whole city.

CONTAGIOUS DISEASE AMONG CHILDREN.

The greatly increased number of measles cases reported this month is due to the fact that every school was visited and all cases reported. Three of the leading physicians were fined \$25 each for failure to report infective diseases, and since then a great many more cases have been reported than in any previous month.

TOTAL INFECTIOUS DISEASES DURING MONTH.

The following communicable diseases were reported during the month:

Measies	241
Chicken pox	4
Pulmonary tuberculosis	16
Diphtheria	3
Whooping cough	4
Tubercular meningitis	1

Detailed statistics are shown in Table XVII.

SANITATION—COLON.

The department has been actively engaged in antimalarial work during the month, and has submitted a comprehensive plan for the elimination of breeding places in the entire district; this includes the swamp areas of Mount Hope, the large area extending from the Union Oil section to Camp Bierd, the extensive marsh lying south of the filter plant, known as Arcia's property, and the section west of the Margarita Island railroad.

It is planned to drain the marsh lands of the Arcia and the Margarita sections and admit the sea water; to dry fill the entire swamp area of Mount Hope; and to put a hydraulic fill in the

Union Oil section.

Many improvements have been made in the stable district of Colon. One stable was condemned and demolished as being hopelessly insanitary. Many have undergone structural improvements with special reference to rat proofing, and the better policing of the district has made a noticeable reduction in the fly situation.

A plan of police cooperation for the reduction and abatement of nuisances has been inaugurated and a special patrolman has been detailed for duty with the inspector in charge of nuisance work. A marked effect upon the number of nuisances has been observed. The following communicable diseases were reported during the month:

Mumps	26
Chickenpox	4
Malarial fever	4
Tuberculosis	6
Whooping cough	4

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

The work of the division has been conducted without special incident during the month. There have been no fresh developments in the quarantine situation on the west coast of South America, with the exception of the appearance of plague at Coquimbo, Chile.

The fence inclosing the Balboa quarantine reservation has been completed with the exception of the gates. Some planting of trees and shrubs has been done under the supervision of the horticulturist of the quartermaster's department. The quarantine pier is still in process of construction but almost complete.

No disease of a quarantinable nature arrived at our ports during

the menth.

Detailed statistics are shown in Table XVIII.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

	Num-	Admissi]	Deaths	Noneffective from sick- ness.				
Color.	ber of em- ployees.	Total.	Dis- ease.	Ex- ternal causes.	Total.	Dis- ease.	Ex- ternal causes.	Days treated.	Con- stantly non- effect- ive.
August, 1915.									
White Colored	4,634 31,390	167 443	142 333	25 110	3 14	3 9	5	3, 141 8, 276	101.32 266.96
Total	36,024	610	475	135	17	12	5	11,417	368.28
July, 1915.									
White Colored	4,774 31,207	207 519	183 400	24 119	3 14	3 7	7	3, 181 8, 771	102. 60 282. 92
Total	35, 981	726	583	143	17	10	7	11,952	385. 52
August, 1914.									
White Colored	6,838 37,294	238 550	204 398	34 152	3 21	3 9	12	3,869 11,619	124.81 374.80
Total	44, 132	788	602	186	24	12	12	15,488	499.61

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

PROPORTIONATE NUMBERS.1

	Admissions to hospitals			spitals.	Deaths.				Noneffective from sick- ness.		
Color.	how of		Dis- ease.	Ex- ternal causes.	Total.	D	is- se.	Ex- ternal causes	Days treated	Con- stantly non- effect- ive.	
August, 1915.											
White Colored	4,634 -31,390	432. 45 169. 35	367.71 127.30	64.74 42.05	7.77 5.35	7. 3.		1. 91		. 21.87 8.50	
Total	36,024	203. 19	158.22	44.97	5.66	3	99	1.67		. 10. 22	
July, 1915.											
White Colored	4,774 31,207	520.32 199.57	460.00 153.81	60.32 45.76	7. 54 5. 37	7. 2.	54 68	2.69		21.49	
Total	35,981	242. 12	194.43	47.69	5.67	3.	34	2.33		. 10.71	
August, 1914.											
White Colored	6,838 37,294	417.66 176.97	358.00 128.06	59.66 48.91	5. 26 6. 76	5. 2.		3.86		. 18, 25 10, 25	
Total	44, 132	214. 27	163.69	50. 58	6, 52	3.	26	3. 26		. 11.32	
				Death	s.		AI	nual a	verage į	er 1,000	
Place		Popu- lation.	Total.	Dis- ease,	terr	al	Т	otal.	Dis- ease.	Ex- ternal causes.	
August, 1	915										
Panama Colon Canal Zone		60, 373 29, 331 30, 219	149 54 50	146 51 46	L	3 4	2	29. 61 22. 08 19. 85	29.02 20.86 18.26	0.59 1.22 1.59	
Total		119,923	253	243	3	10		25. 31	24.31	1.00	
July, 19 Panama Colon Canal Zone		60,373 29,331 30,057	129 61 37	127 59 29)	2 2 8	2	25. 64 24. 95 4. 77	25. 24 24. 14 11. 58	. 40 . 81 3, 19	
Total		119,761	227	215	5	12	- 2	2.74	21. 54	1.20	
August, 1	914.										
Panama Colon Canal Zone		62,172 20,232 37,702	133 39 60	122 38 51	3	11 1 9	2	25. 67 3. 13 9. 10	23. 55 22. 54 16. 23	2. 12 . 59 2. 86	
Total		120, 106	232	211		21		3. 18	21.08	2, 10	

Annual average, per 1,000.

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

	White.		Colored.		Yellow.		Total.					
Age.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year	10 5 2 6 3 3 2	1 1 1 1 1	14 5 3 7 4 4 3 	35 19 3 6 18 21 10 3 5	29 17 2 15 11 8 2 2 2 1	64 36 3 8 33 32 18 5 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	2 1 1 1 1	46 24 3 6 21 28 14 6 7	34 17 2 16 12 9 3 3 1	80 41 3 8 37 40 23 9
Total	31	9	40	121	87	208	4	1	5	156	97	25

TABLE III.—DEATHS BY NATIONALITY.

N	ations.	Employees	Nonem- ployees.	Total.
Antigua		1	3	
Barbados British Guiana			37	40
China Colombia			6	
Dominica			9	
England Ecuador			1	
FranceGrenada			3 3	- 3
Guadeloupe		2	2	
Italy Jamaica		1	49	5
Martinique Mexico			5 1	
Montserrat Nicaragua			2	
Panama Spain		2	93 5	. 9
St. Kitts		1		
St. Lucia St. Thomas			5	
Sweden Frinidad		1	. 1	
United States West Indies		2	5	
Unknown			3	
Total		- 17	236	25

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4,152): Disease	2	5. 78
External causes	2	5.78
White women and children from the United States (3,462);	2	5. 10
Disease	1	3.47
External causes	1	3. 47
White employees and their families from the United States (7.614):		3.1.
Disease.	3	4.73
External causes All causes	3	4.73
Total number of Americans on the Canal Zone (14,403): Disease	. 4	3, 33
External causes	î	. 83
All causes	_ 5	4.10

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD COMPANY.

Causes of death. Disease: Acute alcoholism. 1 Cause of death not specified Chronic nephritis. Endocarditis, malignant. Hemoglobinuric fever, unqualified 1 Organic disease of heart. Pneumonia, lobar. 1 Purulent infection and septicaemia Tetanus. Tuberculosis, disseminated External causes: Railroad traumatism. Traumatism by fall Traumatism by firearms. Traumatism by other crushings. Total 3		
Acute alcoholism 1 Cause of death not specified	ored.	Total.
Total	1 1 1 2 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 2 1	
	14	17

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOY EES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE.

Disease.	Pana- ma.	Colon.	Canal Zone,	Total.
General diseases.				
Malaria fever, estivoautumnal	6		1	7
Measles. Diphtheria and croup. Dysentery. Chicken pox. Hemoglobinuric fever, unqualified. Yaws. Purulent infection and septicemia. Tetamus.	3			3
Diphtheria and croup		1		1
Chicken nox	1	1		1
Hemoglobinuric fever, unqualified			1	1
Yaws.	1			1
rurulent infection and septicemia	1		1	$\frac{2}{1}$
Pellagra				. 3
Beriberi		1		. 1
Puberculosis of the lungs		5	3	28
Fuberculous meningitis	2		1	2
Disseminated tuberculosis	3			3
Syphilis, tertiary	1			1
Syphilis, tertiary. Syphilis, period not stated	1	******		1
ach and liver	1			1
Cancer and other malignant tumors of other	_			
organs and of organs not specified	1			1
Anemia, primary, pernicious Anemia, secondary, cause not determined	1 1	7		$\frac{2}{1}$
Alcoholism (acute or chronic)	1			i
Alcoholism (acute or chronic)			1	. 1
Drug habit'		1		1
Diseases of the nervous system and of the organs of special sense.				
Simple meningitis		1		. 1
Cerebral hemorrhage, apoplexy	2	1		3
Simple meningitis. Cerebral hemorrhage, apoplexy Paralysis without specified cause. Convulsions (nonpuerperal), (5 years and over). Convulsions of infants (under 5 years of age)	1		1	$\frac{3}{2}$
Convulsions of infants (under 5 years of age)		1	2	3
Diseases of the circulatory system.				
Pericarditis	1	·····i		1
Organic diseases of the heart	6	3	3	12
Organic diseases of the heart Angina pectoris Aneurysm	ĭ			1
Aneurysm		1	1	2
Arteriosclerosis	1			. 1
Diseases of the respiratory system.				-
Myiasis of nasal fossæ and sinuses	1		1	2
Acute bronchitis	7	5	1	13
Chronic bronchitis	1		3	14
Pneumonia (unqualified)	11	1	3	2
Broncho-pneumonia Pneumonia (unqualified). Lobar pneumonia	6	3	4	13
Pieurisy	1			1
Gangrene of the lungs	·····i		1	1
Astnma	1		1	

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOY-EES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE—Continued.

Diseases.	Pana- ma.	Colon.	Canal Zone.	Total.
Diseases of the digestive system.				
Diseases of the pharynx	1	1		. 1
Acute indigestion	$\frac{1}{24}$	6	2 1	35
Colitis	$\frac{1}{2}$			
Ankylostomiasis	1			
Nonvenereal diseases of the genito-urinary system and annexa.				
Acute nephritis Bright's disease (chronic nephritis) Other diseases of the kidneys and annexa	$\begin{smallmatrix}2\\6\\2\end{smallmatrix}$	2	1 4	1
The puerperal state.				
Puerperal hemorrhage. Puerperal septicemia.	i	1		
Diseases of the skin and of the cellular tissue.				
emphigus contagiosus	1			
Diseases of early infancy.				
Newborn child. Jongenital debility, icterus, and sclerema. Premature birth. Jongenital debility		$\begin{array}{c} 1\\2\\1\end{array}$	$\frac{1}{2}$	
Congenital debility	$\frac{2}{2}$	1 4	3 5	1
ing various consequences of labor)	3			
Affections produced by external causes.				
Burns (conflagration excepted)	1		1	
Fraumatism by firearms. Fraumatism by fall Fraumatism by other grushings (vehicles reil-		1	1	
roads, landslides, etc.)		1	. 1	
Burns (conflagration excepted) Accidental drowning Traumatism by firearms Fraumatism by fall Fraumatism by ther crushings (vehicles, rail- roads, landslides, etc.) Railroad traumatism Homicide by firearms Other external violence	1 1		1	
Ill-defined diseases.				
Cause of death not specified or ill defined Infections of undetermined origin		4	i	
Total Stillbirths	149 18	54 1	50	25 2
Grand total	167	55	53	27

					Anc	on I	Iospi	tal.				
		E	mple	oy ees	i.			Noi	nem	ploye	ees.	
	Adı	nissi	ons.	D	eath	s.	Adn	nissi	ons.	D	eath	s.
Diseases.	Wh	ite.		wh	ite.		Wh	ite.		Wh	ite.	-
191.5	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
General diseases.	1					_						
Typhoid fever			1					3	1			
Estivo-autumnal Tertian Quartan	4		79 6 1 22				3		2			1
Smallpox: Vaccinia Measles. Diphtheria and croup Influenza.			3				2	1				i
Dysentery: Entemoebic Bacillary			1						i			
Mumps. Hemoglobinuric fever, unqualified. Kala-azar Agute infectious igundice			12						1			·
(Weil's disease)							1					
septicemia. Tetanus Pellagra Beriberi			1			1			1			
Beriberi. Tuberculosis of the lungs. Tuberculous meningitis. Abdominal tuberculosis. Tuberculosis of bones and	1	1	11				1		1	1		1
joints Tuberculosis of the genito- urinary organs Tuberculous abscess Disseminated tuberculosis.			1					' ,		ļ		
							3					
Primary Secondary Tertiary Period not stated	1	1	5				15		2	2	0.	
Gonococcus infection Gonorrhea Gonorrheal bubo	3	2					9	3				

IN THE HOSPITALS OF THE PANAMA CANAL.

			C	olo	n H	osp	ital										То	tal.					
	Eı	mpl	оуе	es.		1	Non	emj	ploy	ees			E	mp	loye	ees.		1	Nor	em	plo	yees	
A	dm	is-	D	eatl	hs.		dm		De	eatl	ıs.		dm		D	eatl	hs.		dm		D	eath	ıs.
N	7.		V	v.		v	v.		v	v.		v	v.		v	v.		V	v.		v	v.	
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black,	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
				•										1					3	1			
9	2	17 12 2 1				2	3 1	1				18 4 6	9	7		1		4 1	6 4 1 1 1 1	28 2 4 5 2 1 1			1
		1 6					1	3				i	1 	1 1 17			1 1	1 i	1 2	1 7 1 1	i	1	4
1							1					3 1 1	i	1 5			i	3 15 2	1	1 2			2

·					And	on 1	Hospi	ital.				
		F	Empl	oyee	s.			No	nem	ploy	ees.	
	Adı	miss	ions.	I	eath	ıs.	Adn	nissi	ons.	D	eath	ıs.
Diseases,	W	nite.		W	nite.		Wh	ite.		Wh	ite.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
General diseases—Contd.												
Gonorrheal orchitis and epididymitis Gonorrheal opthalmia Soft chancre Adenitis chancroidal Cancer and other malignant tumors of the peritoneum, intestines, rectum Cancer and other malignant tumors of the female genital organs Cancer and other malignant tumors of the breast Cancer and other malignant tumors of the breast cancer and other malignant tumors of other organs and of organs not specified Other tumors (tumors of the female genital organs excepted) Acute articular rheumatism and gout Other general diseases Alcoholism: Acute Chronic heumatism and gout Diseases of the nervous system and of the organs of special sense. Cerebral hemorrhage, apo-	2		1 1 44	1			3	1 1 1 3	1			•
								1			1	

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

	Colon Hospital. Employees. Nonemploy																Tot	al.					
	Employees. Nonemploye									ees	_	,.	Eı	npl	oye	es.		N	lon	emp	oloy	rees.	
A	dm	ons. Deaths, sions. Deat								ath	s.	A	dmi	is-	D	eath	ıs.	A	dmi	is-	De	eath	ıs.
V	7.		w. w. w.						٧.		W	v.		W	7.		W	7.		W	٧.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
	:::											 'i		5 9 2				3	2	2			
• • •																			1	1			-
														1					1				
																		3	3				
• • •		i											1	4									
						1						2			1			1 1 1 1					
															7	-			1			1	
• • •				1		1				-									1			1	-

					And	on I	Iosp:	ital.				
3 7 7		F	mpl	оуее	s.			No	nem	ploy	ees.	
- 4	Adı	nissi	ons.	D	eath	s.	Adr	nissi	ons.	D	eath	ş.
Diseases.	Wh	ite.		Wh	ite.		Wh	ite.		Wh	ite.	
1111	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Diseases of the nervous system and of the organs of special sense—Contd.								-				
Other forms of mental ali- enation. Dementia precox Convulsions of infants (un- der 5 years of age) Neuralgia. Neuritis. Other diseases of the ner- yous system. Neurasthenia.		i	1				2	1 3	5 3		1	1
their annexa. Trachoma. Diseases of the ears	1 		11 2				3 2 4	3 1 1 1	5			
Diseases of the circulatory system. Pericarditis			 1					1 1	1			
Aneurysm Diseases of the veins (varices, hemorrhoids, phlebitis, etc.) Hemorrhoids. Varices. Varicocele. Varleocele.	1 2	1	1 1 1				1 2	2				1
Diseases of the lymphatic system (lymphangitis,etc) Lymphadenitis (nonvenereal)			9				3		1 2			

IN THE HOSPITALS OF THE PANAMA CANAL-Continued.

			C	olo	n H	osp	ital.										Tot	al.					
	E	mpl	oye	es.		N	lon	emp	oloy	ees		5	Eı	npl	oye	es.		N	lon	emŗ	oloy	ees.	
A	dm ion:	is- s.	D	eatl	ns.	A	dm	is-	De	eath	ıs.	A	dmi	is-	D	eatl	ıs.	A	dmi	is-	De	ath	s.
V	v.		v	v.		v	v.		v	v.		W	7.		W	7.		W	v		W	7.	
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
														1				2	1	5 3			
i					 		 i 2		· · · ·			i	i	 i					1 1 5			1]
•••												···i	:::			:::		2 3					
• • •	i											1 1	 1	11 				2 4	1 1 1	5			
···· i		1 1 1			1 	1 						 i		1 2			i	1	1 1	 1			· · · · · · · · · · · · · · · · · · ·
•••		i						1.				1 2 	1	2 1				1 2	2	1			
							1							9				3	1	1 2			
1								1			1	1								1			1

					And	on I	Iosp	ital.				
		E	mpl	oyee	S.			No	nemj	ploye	es.	
	Adr	nissi	ons.	D	eath	s.	Adr	nissi	ons.	D	eath	s.
Diseases.	Wh	ite.		Wh	ite.		Wh	ite.		-Wh	ite.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Diseases of the respiratory system.												
Diseases of the nasal fossæ Acute bronchitis Chronic bronchitis Broncho-pneumonia			9					4 2	1 2 			
Broncho-pneumonia Lobar pneumonia Pleurisy Gangrene of the lungs Asthma			1	1		1		1 1	4			2
Asthma. Pulmonary emphysema. Other diseases of the respiratory system (tuberculosis excepted).	1							i				,
Diseases of the digestive system.												
Diseases of the mouth and annexa									1			
Diseases of the pharynx Pharyngitis	1		1				i		····i			
Follicular tonsilitis Ulcer of the stomach Other diseases of the stom-	6		1		· · · ·		2	7	1			
ach (cancer excepted) Acute gastritis Chronic gastritis Acute indigestion	1	i					.,		i			
Diarrhea and enteritis (under 2 years)							 i	2	1			
Diarrhea and enteritis (2 years and over) Colitis	1							1	i			
AnkylostomiasisIntestinal parasitesAcute appendicitis	2		2 2 1				2 2 2 3	1 2	····i			
Chronic appendicitis	3		3				3 1	3				

IN THE HOSPITALS OF THE PANAMA CANAL-Continued.

	Colo	n H	osp	ital.										Tot	tal.					
Empl	oyees.		ı	Von	emı	oloy	ees	•		E	mpl	oye	es.		1	Von	emp	oloy	rees.	
Admis- sions.	Deatl	ns.	A	dmi	is- 3.	De	ath	ıs.	A	dm	is- 3.	D	eatl	ns.	A	dm	is- 3.	De	eath	ıs.
w.	w.		V	v.		V	v.		v	7.		v	v.		1	7.		W	v.	
Americans. Europeans. Black.	Americans. Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
2		1		1	2			2	1 1 2 1	1	1 11 8 3 	1		2	2	1 2	6			4
1					1 2 1				1 1 1 1 1 1 	1	1 2 1 2 2 2 2				1 1 2 2 2 3 1	7 1 2 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			· · · · · · · · · · · · · · · · · · ·

					And	on E	Iospi	ital.				
		E	mpl	oyees	3.			No	nem	ploy	ees.	
- 11	Adr	nissi	ons.	D	eath	s.	Adr	nissi	ons.	D	eath	s.
Diseases.	Wb	ite.		Wh	ite.		Wh	ite.		Wh	ite.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black
Diseases of the digestive sys- tem—Continued.												
Other diseases of the intes- tines. Constipation Cirrhosis of the liver. Other diseases of the liver. Abscess of liver (unquali- fied). Simple peritonitis (non- puerperal).						:						
Nonvenereal diseases of the genito-urinary system and annexa.												
Acute nephritis. Bright's disease (chronic nephritis). Other diseases of the kidney and annexa. Pyelo-nephrosis. Calculi of the urinary pas-			1 i			1		1	3		1	3
sages Cystitis	1	···i						1 2	···i			
Stricture of the urethra, nonvenereal	1	1	1			1	1	1				
Uterine tumor (noncancerous). Other diseases of the uterus. Metritis. Cysts and other tumors of	i							3 1				
the ovary. Salpingitis and other diseases of the female genital organs. Nonpuerperal diseases of the breast (cancer ex-								1	7			

IN THE HOSPITALS OF THE PANAMA CANAL-Continued.

			C	olo	ιН	osp	ital.										To	al.					
	Er	npl	oye	es.		N	lone	emı	oloy	ees.			Eı	npl	oye	es.		1	Non	emp	oloy	rees	
A	dmi	is-	D	eatl	ıs.	A	dmi	is-	De	eath	ıs.		dm		D	eatl	ns.	A	dmi	is-	De	eath	ıs.
V	7.		w. w. w.									W	7.		v	٧.		V	٧.		v	v.	
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
														,									
		1 1 	 				1	i				7 2 		1 1 2				1 1 	4	 3 			
• • •	•••	•••	•••			•••		1												1			
•••	•••									•••		•••			•••		•••		1	• • •		•	
																				2			
														1	ļ		1		1	3		1	3
														_i	•				1				1
• • •							_i					1 1	i						1 3	i			
														3				<u>i</u>	2				
•••										• • •				1									
		1	• • • •									1		9		• • • •	• • •			1 2	:::		::
								1				i							3	3 4	•		
																		-	1	1			
																			1	7			

					Anc	on H	Iospi	tal.	ī			
		E	mpl	oyees	3.			No	nem	ploy	es.	
	Adn	nissi	ons.	D	eath	s.	Adn	issio	ons.	D	eath	S.
Diseases.	Wh	ite.		Wh	ite.		Wh	ite.		Wh	ite.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
The puerperal state.								T				
Normal labor Accidents of pregnancy Abortion. Puerperal hemorrhage Other accidents of labor Puerperal septicemia. Puerperal albuminuria and convulsions Following childbirth (not otherwise defined) Diseases of the skin and of the cellular tissue. Gangrene.			1					11 3	3 1 1			1
Furincle Carbuncle Acute abscess Phlegmon and cellulitis Dhobie itch Ulcer of the skin Impetigo contagiosa Ingrowing nail Other diseases of the skin and annexa	$\begin{array}{c} 1 \\ 1 \\ 2 \\ \cdots \end{array}$	i	1				1 3 1 1 3	1 1 3 3	i			
Diseases of the bones and of the organs of locomotion.												a .
Diseases of the bones (tu- berculosis excepted)PeriositisDiseases of the joints (tu- berculosis and rheuma- tism excepted)Arthritis			1 3				1		,1			
Malformations.	1								••••			
Congenital malformations (stillbirth not included)			J			l		1	l			

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

			C	olo	n H	osp	ital.										То	tal.					
	E	mpl	oye	es.	Nonemployees								Eı	npl	oye	es.]	Non	emp	oloz	rees.	
A	dm ion	is-	D	eatl	ıs.	A	sions.				s.	A	dmi	is-	D	eatl	ıs.		dmi		De	eath	ıs.
v	v.		v	v.					v	v.		V	7.		W	V.		V	v.		W	v.	
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
							2	 1 1 1 1			: i								13 1 5 	2			··· i
												 :		1									1
- i		1 1				i	1	i 				 1 1 2 	3 1	2 1 3 2 				1 1 3 1 	2 3				
	 i	1											 i	1 3 2						···i			
				0				•											1				

					And	on I	Iosp	ital.				
		E	mpl	oyee	S.			No	nem	ploy	ees.	
	Adı	missi	ons.	D	eath	s.	Adı	missions.		D	eath	s.
Diseases.	Wh	White.		White			Wh	ite.		Wh	ite.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Diseases of early infancy.												
Newborn child								9 1 	2 1 1		i	 1 1
Old age.												
Senility					• • • •	:		1				
Affections produced by external causes.												
Poisoning by foodOther acute poisonings Burns (conflagration excepted)		1										
cepted). Traumatism by firearms. Traumatism by cutting or piercing instruments. Traumatism by fall Traumatism by machines.			45				1 1	2	4			
ings (vehicles, railroads,						1	2		î 			
Dynamite traumatism	0						 i					
Homicide by firearms. Fractures (cause not specified). Dislocations. Sprains. Other external violence	2		1	••••	••••		3 1		 1 2		1	
Dislocations	1 8	1	2 30				5	1 				
Ill-defined diseases.												
Ill-defined organic disease. Cause of death not specified or ill defined. Infections of undetermined			1			1						
originNo disease			₂					2 10	2 7			
Total	89		344	2	1	7	122	152	154	1	6	2!

IN THE HOSPITALS OF THE PANAMA CANAL-Continued.

			C	olo	n H	osp	ital					Total					al.						
	Eı	mpl	oye	es.		1	Von	emŗ	oloy	ees		,	Eı	npl	oye	es.		N	Von	emp	oloy	ees.	
	dm		D	eatl	ns.	A	dm ions	is- S.	De	ath	s.	A	dmi	is-	D	eatl	ns.	A	dmi	is-	De	ath	s.
V	v.		v	٧.		v	٧.		V	7.		V	7.		V	v.		W	v.		N	7.	
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	. Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
					 		2	1											1:1 1	3 1 1		i	1
																			1				
1	1	1						3 2					1					2		3 2			
	1	i						i			i		1	1				···i		···i			. i
	···· 1	2 3 5				1 	i					 'i	 1 1	47 4 5			``i	2 2 1	2 2 1	1			
	1	5			1			1					1	5			1	i	 i	1 1		 i	
1 1 2	i	6 1 1 2					1	2				2 1 2 10	2	7 3 3 32				3 1 5	1 1 i	1 2 6			
																	1		1	1			
		1		.0.			···i	1						1 2					2	3 7			1
30	14	99			3	7	-				5	119	48	443	2	1	10	129	 	188	1	6	30

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

		maini lug. 1		Ad	mitte	d.		Died.	
	A.1	F.1	B.1	A.	F.	В.	A.	F.	В.
ANCON HOSPITAL.									
Panama Canal employees Panama Railroad employees Other pay patients Charity patients	35 5 86 9	17 3 33 3	177 81 52 35	78 11 206 10	29 5 47 9	239 104 114 30	···· ₂	1 3 1	6 1 14 9
Total	135	56	345	305	90	487	5	5	30
Insane department.		===							
Panama Canal employees	4 4	13 2 3	10 2 163 1 49	i	i	7 2 1			2
Total		23	225	1	1	11			2
Grand total	143	79	570	306	91	498	5	5	32
Corozal farm.									
Panama Canal employees		10	. 42	· •••••		1			
Chronic ward:									
Charity patients			26			3			
COLON HOSPITAL.									
Panama Canal employees	5	2 4	13 3 3	16 14 15 3	12 2 12 1				1 2 3 2
Total		6	19	48	27	133			8
PALO SECO LEPER ASYLUM.									
Panama pay patients Charity patients		3 2	33 18			1			
Total		5	51			1			
GRAND TOTAL.									
Panama Canal employees Panama Railroad employees Panama pay patients Other pay patients Charity patients	40 5 90 13	34 3 16 39 8	229 96 196 56 131	94 25 222 13	41 7 1 59 10	300 144 29 127 36	2	1 3 1	7 3 5 16 9
Total	148	100	708	354	118	636	5	5	40

¹ A=white Americans; F=white foreign; B=black.

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

		Dis- arge			ran			ma ing		Ave	rage ni stantl	ımber y sick.	con-
							,			Wh	ite.		
	Λ.	F.	в.	A.	F.	в.	Α.	F.	В.	American.	Foreign.	Black.	Total.
ANCON HOSPITAL.													
Panama Canal employees. Panama Railroad employees. Other pay patients. Charity patients.	89 10 222 16	5 50	274 105 106 29				22 6 67 2	19 3 27 3	131 79 43 27	29.81 4.39 81.06 7.06	3.00	48.26	197. 16 76. 36 159. 48 37. 44
Total	337	87	514	1	2	8	97	52	280	122. 32	52.54	295. 58	470.44
Insane department. Panama Canal employees Panama Railroad employees Panama pay patients Cother pay patients		i	18				3		10 2 160 3	3, 10	5. 00 12. 87 2. 00	2. 00 161. 06	14. 45 2. 00 173. 93 6. 35
Charity patients	<u></u>	1	$\frac{3}{12}$			$-\frac{2}{2}$	$-\frac{4}{7}$	23	45 220	7. 10		47. 29 221. 05	
Grand total	339	88	526	1	2	10	104	75	500	129. 42	75. 41	516.63	721.46
Corozal farm. Panama Canal employees		*	5					10	38		10.00	39. 22	49. 22
Chronic ward. Charity patients			-4						25			24. 58	24, 58
Panama Canal employees Panama Railroad employees Panama pay patients Other pay patients Charity patients	18 10 9 2	9	30 28 6 9 4		2	16 19 11 1	3 1 6	5 1 6 1	12 4 1 2	3. 54 2. 41 3. 48 . 64	3. 12 . 93 		12, 82 14, 50 1, 29 10, 96 1, 37
Total	39	18	77	4	2	48	10	13	19	10.07	8. 43	22.44	40. 91
PALO SECO LEPER ASYLUM. Panama pay patients Charity patients								3 2	34 18		3. 00 2. 00	33. 57 18. 00	36. 57 20. 00
Total								5	52		5. 00	51. 57	56. 57

TABLE VIII .- CONSOLIDATED HOSPITAL REPORT-Continued.

	Dis- charged.				Trans- ferred.			ma ing ig.		Avei	umber y sick.	con-	
										Wh	ite.		
	A.	F.	в.	Α.	F.	В.	A.	F.	в.	American.	Foreign.	Black.	Total.
GRAND TOTAL.													
Panama Canal em- ployees Panama Railroad em-	107		310			21	25	39	191	33. 35	34. 73	205. 57	273. 65
ployees		1	133 14			19 11 4	76	16	85 195	6. 80 87. 64	3. 93 15. 87	82. 13 195. 92 52. 70	211.79
Other pay patients Charity patients	18	6	40	î	2 2	3	6	9	115	11.70	7.86	118. 12	
Total	378	106	612	5	4	58	114	103	634	139. 49	98.84	654. 44	892.77

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

EMPLOYEES TREATED IN QUARTERS, AND ALL CASES TREATED BUT NOT EXCUSED.

					En	aplog	yees 1	reat	ed in	qua	rters	3.			
	Remaining Aug. 1.			Ad- mitted.		Died.		Dis- charged.		Trans- ferred.		Remaining Aug. 31.		Days lost.	
	w.	C.	w.	C.	w.	C.	w.	C.	w.	C.	w.	C.	w.	c.	Total.
Naos Island Ancon Balboa Corozal Pedro Mi-	4 3	2 1	1 137 77 31	37			1 133 63 25	18	3 11	21	5 6 6		306 183 96	74	306 257 98
guel Paraiso Gamboa	1 1	2	11 19	29			10 13	26	····6	5	2 1		20 41		20 111
Gatun	1 12	20	14 78				13 78	13 43		····i	2 11	1 17	40 320	23 404	
Total .	22	27	368	119			336	101	21	27	33	18	1,008	573	1,58

TABLE IX.-CONSOLIDATED DISPENSARY REPORT-Continued.

Employees Treated in Quarters, and all Cases Treated but not Excused—Continued.

			All ca	ses trea	ted but	not exc	used.			
	E	nployee	es.	Non	employ	ees.	Total.			
	w.	C.	Total.	w.	C.	Total.	w.	C.	Total.	
Naos Island	243	544		1.007			243	544		
Balboa Corozal	2,500 3,398 987	3,721 3,857 1,383	6,221 7,255 2,370	1,607 862 802	2,296 509 170	3,903 1,371 972	4,107 4,260 1,789	6,017 4,366 1,553	10,124 8,626 3,342	
Pedro Miguel Paraiso	644 668	1,116 2,401	1,760 3,069	738 457	256 933	994 1,390	1,382 1,125	1,372 3,334	2,754 4,459	
Gamboa Gatun	799	3,020	3,819	35 1, 193	461 1,757	496 2,950	95 1,992	632 4,777	6,769	
Total	1,089	3,055	29,656	6,468	7,187	1,579	1,863	3,860 26,455		

CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward. Total admissions of employees to quarters	472 368	632 119	1,104 487
Total Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.	840	751 85	1,591 115
Net admissions to hospitals and quarters Net admissions to employees to hospitals and quarters	810 511	666 496	1,476
Annual average per thousand of admissions of employees to hospitals and quarters	1,323.26	189.61	335.44

CONTAGIOUS AND INFECTIOUS DISEASES REPORTED.

Diseases.	Panama.	Colon.	Canal Zone.	Total.
Measles			9	250 1
Mumps	4 3	26 4	3	2 8 5
Malarial fever. Tuberculosis. Whooping cough	16	* 6 4	194 14 6	198 36 14
Dysentery. Tubercular meningitis. Rubella (rotheln).	1		4	1 1

TABLE X.—NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital	58. 81	231.16	289, 97
Colon Hospital	10.00	17.32	27.32
Total	68. 81	248.48	317. 29
Quarters:			
Naos Island	. 06		. 06
Ancon	9.87		9, 87
Balboa	5, 90	2.39	8. 29
Corozal		. 06	3. 16
Pedro Miguel	. 65		. 65
Paraiso	1.32	2, 26	3, 58
Gatun	1. 29	.74	2, 03
Colon,	10.32	13.03	23.35
Total	32. 51	18.48	50.99

	Hospitals.	Quarters.	Total.
Average number of employees constantly sick: White	68. 81 248. 48	32.51 18.48	101 32 26' 96
Total	317. 29	50.99	36 s. 28
Average number of employees constantly sick per 1,000: White Colored	14. 85 7. 91	7. 01	21. 87 8. 50
Total	8. 81	1.41	10. 22

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
Hospitals:			1.
Ancon Hospital	16.18	17, 80	17.39
Colon Hospital	7.32	7.84	. 7.68
Quarters:			
Naos Island	2.00		2,00
Ancon	3. 24		3.24
Balboa	2, 30	2.15	2. 25
Corozal	3, 84	3.00	3.81
Podro Mignal	3.30	3.00	3, 30
Pedro Miguel	2. 21	2.35	2.30
Paraiso		1.77	2.42
Gatun	3.08		
Colon	4.53	14.25	8.01

TABLE XII.-FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	July, 1915.	June, 1915.	July, 1914.
Administration: Chief health office	\$475.12	\$747.66	\$2,046.83
Hospital division:	25, 441. 84	25, 244, 94	20,000 1
Ancon Hospital. Board of health laboratory	1,551.67	1,670.27	39,022.1
Corozal farm		5, 625. 79	1,535.7
Chronic ward	254.08	248.93	240. 9
Colon Hospital	3,042,33	3, 398, 71	2,438.8
Palo Seco Leper Asylum	2,956.20	2, 463. 56	1,332.6
Santo Tomas Hospital	. 1,058.18	969.45	950.0
Medical storehouse		820.06	657.0
Total	40, 889. 59	40, 441. 71	46,177 3
District dentists	445.52	6.98	
Naos Island		178, 62	245.5
Balboa		1.050.21	935.5
Corozal	521.92	697.66	613. 2
Pedro Miguel	416.18	548. 43	399.6
Paraiso. Culebra.	441.92	641. 51 1. 90	496. 4 676. 2
Empire		1.90	470.8
Gamboa		140.68	116.10
Gatun	465, 16	744.09	483. 8
Cristobal			917. 3
Margarita Point			111.0
Total	3, 494. 87	4,010.08	5, 465. 9
Sanitary division:			
General inspector	50.00	50.00	225. 00
Health office, Panama	3, 185. 35	3,739.00	2,470.30 4,889.50
Street cleaning	4, 202. 74 2, 225. 22	4, 273. 79 2, 322. 67	1,627.1
Street cleaningZone sanitation—	2,087.92	2, 231. 89	1,875.2
Ancon	2,519.73	1,525.58	1,825.2
Balboa	4,088.45	2, 909. 40	2 350 9
Corozal	2,030.75	1,666.81	2,350.9° 1,526.70
Pedro Miguel		2, 193. 53	1, 109. 3
Paraiso			1,686.18
Culebra		381.26	1,076.99
Empire			1,554.68
Frijoles.		100.41	65.00
Gatun Cristobal and Mount Hope	2,736.93 1,619.22	2, 188. 19 1, 963. 75	2,615.19 3,203.90
Toro Point	1,019.22	1,905.75	369.2
Total	27, 434. 67	25,546.28	. 28,470.80
Quarantine division:			
Chief quarantine office	209.55	181.75	
Balboa-Panama		1,888.74	
Colon-Cristobal	3, 120. 54	2,889.24	
Total	5, 256. 00	4,959.73	4,669.2
RECAPITULATION.			
Chief health office	475.12	747.66	2,046.8
Hospital division	40, 889. 59	40, 441. 77	2,046.8 47,766.7
Dispensaries	3,494.87	4,010.08	5, 465. 90
Sanîtary divisionQuarantine division	27, 434. 67	25, 546. 28	28, 470. 80
Quarantine division	5, 256.00	4,959.73	4,669.23
Total	77,550.25	75, 705. 46	88, 419, 43

July, 1915, last available figures.

TABLE XIII .-- ANCON HOSPITAL.

REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total	Amer	icans.	Other nations.		
Class.	number treated.	White.	Black.	White.	Black.	
The hospital:						
Panama Canal employees Panama Railroad employees	575 209	113 16		46	416 185	
Panama Government pay cases	209	10			100	
Other pay cases	538	292		80	166	
Charity cases	96	19		12	65	
Total	1,418	440		146	832	
The insane asylum:						
Panama Canal employees	16			5	11	
Panama Railroad employees	2				2	
Panama Government pay cases Other pay cases	184 10	5		11 2	170	
Charity cases.	57	4		3	50	
Total	269	9		24	236	
Grand total	1,687	449		170	1,068	
Soldiers	198	198				
Chronics	29 53			10	29	
Corozal farm	2.03			10	40	

REPORT OF DAYS LOST IN HOSPITAL.

Class.	Total.	Ameri- cans.	Other white.	Black.
The hospital:				
Panama Canal employees	6,112	924	.515 93	4,673
Panama Railroad employees Panama Government pay cases	2,367	130	93	2,138
Other pay cases	4,944	2,513	935	1,496
Charity cases	1,161	219	86	856
Total	14,584	3,792	1,629	9, 163
The asylum:				
Panama Canal employees	448		155	293
Panama Railroad employees Panama Government pay cases	$\frac{62}{5,392}$		399	62 . 4,993
Other pay cases	197	96	62	39
Charity cases	1,683	124	93	1,466
Total	7,782	220	709	6,853
Grand total	22,366	4,012	2,338	16,016
Soldiers	1,929	1,929		
ChronicsCorozal farm	762 1,527		310	762 1,217

Average cost of subsistence per patient per day, \$0.2252.

MONTHLY WARD LABORATORY REPORT.

Blood examinations, total number	618
Estivoautumnal	122
Quartan	1
Tertian	19
Differential counts	59
Hemoglobein estimations.	90
Leucocyte counts	97
Red blood counts.	3
Stool examinations, total number	509
Ameba	209
Ascaris lumbroicoides.	2
Cercomonas intestinalis.	1
	11
Ciliated monads	
Guaiac tests	15
Pus and blood.	81
Strongloi les	17
Tenia saginata dispar (ova)	1
Tricocephalus dispar	29
Uncinaria (ova)	39
Urine examinations, total number	
Albumen	443
Bile	10
Casts	372
Epithelia	703
Guaiac tests	15
Indicon	48
Pus and blood	759
Sugar (positive, 1: negative 21). Sputum examinations, total number.	22
Sputum examinations, total number	217
Positive for tubercle bacilli	31
Smear examinations, total number.	23
Urethral	6
Vaginal	2
Eve (2 positive)	7
Spinal fluid.	8
Spinar marchine	. 0

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Leg	1	
Multiple digits	1	
Operations on bones:		4
Plating of fractures, simple	2	
Plating of fractures, compound	3	
Adenectomy: ·		
Inguinal, single. Inguinal, double.	29	
Inguinal, double	9	
Femoral	1	
Herniotomy: Inguinal, single	18	
Genito-urinary tract:		
Nephrotomy	2	
Urethrotomy, external	3	
Prostatectomy	1	
Varicocele, radical cure	1	
Hydrocele, single radical cure	3	
Epididymotomy	0	
Amputation of scrotum	' 3	
Curetage uteri	5	
Trachelorrhaphy	1	
Obstetrical: Low forceps	2	

REPORT OF SURGICAL OPERATIONS-Continued.

	Number.	Died.
horax:		
Thoracotomy	. 1	1
Excision of breast and axilla	. 1	
Rectum:		
Hemorrhoids, radical cure	. 4	
Fistula in ano, excision of	. 2	
feneral:		
Varicose veins, excision of	. 1	
Skin graft	. 1	
aparotomy:		1
For tuberculous peritonitis	. 1	
For intestinal obstruction	. 2	
Appendectomy with local peritonitis.	. 10	
Appendectomy with local peritonitis	. 1	
Cholecystostomy	. 1	
Choledochotomy		
Pan-hysterectomy	- 1	
Supravaginal hysterectomy	. 4	
Hysteromyomectomy	- 6	
Salpingo-oophorectomy	. 2	
Ovarian cystectomy	- 1	
Suspensio uteri	- 6	
For ectopic gestation	- 1	
Gunshot wound of abdomen		1
Major operations, various other	. 3	100000000000000000000000000000000000000
Minor operations, various	120	
Total	262	2

Adenoidectomy		3
Submucous resection	•••••	8
Tonsillectomy		16
Mostoideatomy cimple		10
Mastoidectomy, simple		1
Enucleation of eye		1
Turbinectomy		1
Pterygium transplantation, single		4
Iridectomy		1
Cataract		3
Bowman's dilatation of lachrymal duct		1
Plastic:		
Face		1
Nose		1
Papilloma, vocal cords, removal of		2
Frontal sinusitis, radical.		1
Expression for trachoma		î
Minor operations:		
Eye		18
Ear		8
		6
Nose, etc		0
m . 1	_	-
Total		77
Refractions		377

OUT-PATIENT DEPARTMENT.

	Total visits.	New cases.	Pay cases.	Preso	
Medical clinic	225	193 134 238	56 14 58	-	269 36 418
Total	1,263	565	128		723
Adults vaccinated			•••••		27 15
Bacteriological examinations of Blood cultures. Throat cultures. Urines. Stool. Autopsies. Pathological fluids, exuda Sputum. Wassermann reactions. Agglutination reactions Autogenous vaccines prepared Vaccine points manufactured. Blood for malaria. Preparations of salvarsanized actions of the salvarsanized sections.	tes, etc.				15 56 35 19 2 19 4 347 7 7 1 2,808 4 5
Chemical analysis of— Ancon Hospital dairy mill Mother's milk Urines. Kerosene Commercial acetic acid Bark Purina dairy feed. Rice.					2 1 2 1 1 1 1 1
Beans Surgical tissues and neoplasms Autopsies performed Animals autopsied Pathological tissues prepared:	s reported				1 22 34 5
Paraffin Frozen Rats examined:					211
Mus musculus Mus norvegicus Mus alexandrinus Mus rattus					297 530 6 107
Bodies embalmed			•••••	· · · · · ·	40

COROZAL HOSPITAL.

STATEMENT OF COMMITMENTS, DISCHARGES, AND DEATHS.

	Male.	Female.
Commitments: From (anal Zone, first admission. From Canal Zone, second admission. From Cana Zone, fifth admission.	2	
From Cana Zone, fifth admission	1	
	3	2
From Panama Government, first admissionFrom Panama Government, second admission	. 4	1
	6	2
Total	• 1	3

•	Well,		Imp	Improved.		proved.
	Male.	Female.	Male.	Female.	Male.	Female.
Discharges; Barbados. Danish West Indies. Germany. Guadeloupe. Jamaica. Panama. Peru. Trinidad. United States of	1 3 1 21	1 2 1				11
America	10	5			11	1

Deaths.		Madian diamenta				
Male.	Female.	Medical diagnosis.	Mental diagnosis.			
	1	Cancer of other organs Other diseases of the kidneys.	Psychoses with brain tumor. Infective exhaustive psychoses.			
	2	•				

Deported.

² Transferred to Ancon Hospital.

TABLE XIV.—COLON HOSPITAL.

NATIONALITY OF PATIENTS.

	White Ameri- can.	White foreign.	Black.	Total.
Panama Canal employees	21 14	14 2	59 53 21	94 69 21
Other pay. Charity cases.		16 1	14 5	45 9
Total	53	33	152	238

Cost of subsistence per patient per day, 25 cents.

LABORATORY REPORT.

Blood examinations	167
Estivoautumnal:	87
Tertian	5
Quartan	2
Lymphocytosis.	2
Leucocytosis	
Polsicocytosis	5
Anisocytosis	5
Differential counts	2
Hemoglobin	2
Stool examinations	18
Blood and pus	
Ciliated monads	1
Tricocephalus dispar	1
Ameba	
Uncinaria	1
Blood and mucus	2
Urine examinations	102
Albumen	
Casts	
Pus and epithelium	41
Red blood cells	8
Triple ammonium phosphate	2
Amorphous phosphates	. 4
Sputum examinations	- 7
Positive for tubercle bacilli	2
Negative for tubercle bacilli	5
Smear examinations.	
Vaginal, diplococci	
Urethral, gonococci.	
Eve. diplococci	2
Pleural exudate, pus (negative for tuberculosis)	1
Breast, pus	1

SURGICAL OPERATIONS.

	Number.	Died.
Amputations: Leg	1	
Operations on bones: Laminectomy Adenectomy: Inguinal, double	1	
Adenectomy: Inguinal, double	- 1	
Herniotomy: Inguinal, single	3	
Genito-urinary tract: Hydrocele, single, radical cure	1	
Obstetrical: Version	1	
Rectum: Hemorrhoids, radical cure	2	
General: Plastic operation for severe injuries	1	
Laparotomy:		
Exploratory	1	1
Appendectomy	3	
Cholecystostomy	1	
Minor operations, various	13	
Total	00	
Total	29	-

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

Class.	Number treated.		d. Americans. Other		treated. Americans. Other		ber treated. Americans. Othe		imber treated. Americans. Oth		iers.
	White.	Black.	White.	Black.	White.	Black.					
Panama Canal employees Panama Railroad employees.				·····							
Pay cases	3	34 18			$\frac{3}{2}$	34 18					
Total	5	52			5	52					

Cost of subsistence per patient per day, 18 cents.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Aug. 1.	Ad- mitted.	Dis- charged.	Died.	Remain- ing Aug. 31.
Pay cases	45 415	118 756	128 684	2 85	. 33 402
Total	460	874	812	87	435

NATIONALITY.

		Ame	ericans.	Other	nations.
Class.	Number treated.	White.	Colored.	White.	Colored.
Pay cases.	163	3		47	113
Charity cases	1,171	10		133	1,028
	2,001	. 20		200	1,111

DISPENSARY REPORT.

Class.	White.	Colorea.	Total,
Natives	90	340	430
Foreigners	86	840	926
Totals	176	1,180	1,356

DISEASES TREATED.

Malaria	95
Measles	27
Diphtheria and croup	2
Dysentery	10
Leprosy . Purulent infection and septicemia .	1
Purulent infection and septicemia.	9
Pellagra	5
Pellagra. Tuberculosis of the lungs.	22
Tuberculous meningitis	1
Tuberculosis of other organs	1
Syphilis	23
Syphilis Soft chancre.	28
Gonococcus infection	25
Cancer and other malignant tumors of the breast	4
Cancer and other malignant tumors of the skin	2
Cancer and other malignant tumors of other organs and of organs not specified.	5
Other tumors (tumors of the female genital organs excepted)	õ
Other tumors (tumors of the female genital organs excepted)	31
Anemia, chlorosis	1
Alcoholism (acute or chronic)	13
Paralysis without specified cause. General paralysis of the insane. Other forms of mental alienation.	2
General paralysis of the insane	1
Other forms of mental alienation	7
Epilensy	1
Epilepsy. Hysteria	3
Neuralgia and neuritis.	2
Other diseases of the nervous system	$\frac{2}{2}$
Diseases of the eyes and their annexa	1
Diseases of the eyes and their annexa. Diseases of the ear.	1
Pericarditis	î
Acute endocarditis	$\bar{2}$
Organic diseases of the heart	18
Diseases of the arteries (atheroma, aneurysm, etc.)	5
Diserges of the raine (various homorrhoids phlatitis etc.)	15
Dispass of the lymphotic system (lymphongitic etc.)	11
Diseases of the lymphatic system (lymphangitis, etc.). Hemorrhage, other diseases of the circulatory system	î
Diseases of the nasel fossæ	4
27 JUNE OF VIEW THE PROPERTY OF THE PROPERTY O	•

Acute bronchitis	2
Chronic bronchitis.	22
Broncho-pneumonia	5
Pneumonia.	9
Pleurisy	
Asthma	1
Diseases of the mouth and annexa	2
Diseases of the pharvny	7
()ther diseases of the stomach (cancer excepted)	7
Diarrhea and enteritis (under 2 years). Diarrhea and enteritis (2 years and over).	5
Diarrhea and enteritis (2 years and over)	7
Ankylostomiasis.	15
Intesti, al parasites.	1
Appendicitis and typhlitis.	-
Hernia, intestinal obstruction.	18
Other diseases of the intestines.	41
Other diseases of the intestines.	41
Biliary calculi	- 1
Diseases of the spleen	1
Acute nephritis	- 3
Bright's disease (chronic nephritis)	13
Diseases of the urethra, urinary abscess, etc. Nonvenereal diseases of the male genital organs.	6
Nonvenereal diseases of the male genital organs	€
Uterine tumor (noncancerous)	ŧ
Metritis	15
Other diseases of the uterus	1
Cysts and tumors of the ovary. Salpingitis and other diseases of the female genital organs.	1
Salpingitis and other diseases of the female genital organs	9
Nonpuerperal diseases of the breast (cancer excepted)	
Normal labor	72
Accidents of pregnancy	20
Puerperal septicemia.	1
Furuncle	1
Acute abscess	14
Other diseases of the skin and annexa.	32
Diseases of the hones (tuberculosis excented)	e
Disast sas of the joints (tuberoulesis and rheumatism evented)	ç
Other diseases of the extens of learneting	ĭ
Diseases of the joints (tuberculosis and rheumatism excepted). Other diseases of the organs of locomotion. Congenital malformations (stillbirth not included).	Ē
Name on a bild	75
Newborn child Congenital debiliy (icterus and sclerema)	2
Congenital decimy (leterus and scierema).	- 4
Other scute poisonings Burns (conflagration excepted)	* 3
Burns (connagration excepted)	- 0
Traumatism by urearms.	9
Traumatism by firearms. Traumatism by cutting or piercing instruments. Traumatism by other crushings (vehicles, railroads, landslides, ètc.)	
traumatism by other crushings (venicles, rairoads, landsides, etc.)	13
ractures (causes not specified)	13
Dislocations	1
No disease	22
	_
Total	909

SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Leg Digits, multiple	1	1
Digits, multiple	3	
Ostiectomy	1	
Adenectomy:		
Cervical	1	
Axillary	1 3	
Inguinal, single	3	
Herniotomy:	8	
Inguinal, single	2	
Ventral	5	
Strangulated	9	
Urethrotomy, external.	2 2	
Variancela radical cura	ĩ	
Varicocele, radical cure Hydrocele, single, radical cure	3	
Orchidectomy	1	
Amputation of penis	ĩ	
Amputation of penis Curetage uteri	3	
Excision of breast	2	
Excision of breast and axilla	1	
Hemorrhoids, radical cure	13	
Fistula in anus, excision of	3	
Excision of surface neoplasms	4	
Plastic operation for effects of disease. Laparotomy for intestinal obstruction	8	
Laparotomy for intestinal obstruction	1	1
Laparotomy, exploratory	2	
Gastroenterostomy	1.	
Appendectomy. Abscess of liver laparo-hepatotomy for	4	
A bscess of liver laparo-hepatotomy for	1	
Panhysterectomy Supravaginal hysterectomy	7	• • • • • • • • • •
Supravaginal hysterectomy	3	• • • • • • • • •
Hysteromyomectomy	1	
Myomectomy	1 3	
Salpingectomy, double	3 2	
Salpingo-oophorectomy	3	
Suspensio-uteri Major operations, various other	6	
Minor operations, various	25	
maior operations, various	20	
Total	129	3
_ OUM	125	U

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of August, 1915, in the Canal Zone:

Work requests on supply department:	
Grass cutting.	19
Screening	5
Miscellaneous	13
Work requests on angineering department	6
work requests on other departments	1
Notices served to abate nuisances	14
Arrests	0
Inspections of—	
Closets	1,542
Stores	43
Shops	85

Garbage cans emptied daily	84,448
Closets disinfected	2, 259
Rat traps used daily.	453
Adult Anopheles destroyed in houses	5, 740 21, 743 792
Adult Culices destroyed in houses.	21, 743
Larvacide used gallons	792
Closers dismecred Rat traps used daily Adult Anopheles destroyed in houses Adult Culices destroyed in houses Larvacife used gallons Crude oil used do	14,510
Kerosene useddo	991
Data destroyed	475
Rats destroyed	473
Containers with stegomy is far væ found.	
SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PAN	YAMA.
Mosquito, rat, and fly work:	
Linear feet of ditches cleaned and maintained	20,480
Linear feet of new ditches dug	12,371
Number of orbig yards of earth used in filling	0
Linear feet of new ditches dug Number of cubic yards of earth used in filling	689
Gallons of crude oil used.	E 140
Canons of crude of used.	5,149 516,165
Square yards pools oiled. Water containers treated. Mosquito-breeding places found.	516,165
water containers treated	. 15, 154
Mosquito-breeding places found	194
Fly-breeding places found	130
Flies trapped (13,000 per quart)quarts	34
Number rats trapped Number of room disinfections made.	610
Number of room disinfections made	10
Garbage collection:	
Number loads garbage removed to dump	4,447
Number loads garbage removed to dump. Number cubic yards garbage removed to dump	7,430
Total number of cans garbage emptied	108, 135
Buildings:	100, 100
Number of huildings inspected	5,641
Number of buildings inspected. Number of plans for new buildings approved.	
Number of plans for new buildings approved	16
Number of permits granted for repairs to old buildings	72
Total number of permits granted	88
Number of buildings condemned	7
Number of buildings demolished	. 4
Street cleaning:	
Average number of square yards cleaned daily	600,000
Average number of square yards streets sprinkled daily	90,000
Number private properties cleaned during month	13
Number of notices served and nuisances abated	248
Vaccinations:	
Number of vaccinations during month	797
Number of vaccinations during month Total number of vaccinations since Apr. 1, 1914	23,244
Total number of vaccinations since up. 1, 1911.	20,211
WORK REPORT FOR COLON, CRISTOBAL, AND MOUNT HOPE.	
[Health office, Cristobal, Aug. 31, 1915.]	
Sanitation, general, Colon:	
Squaré vards streets cleaned	4,501,752
Square yards streets cleaned Square yards alleys maintained.	676,000
Number of private properties cleaned	124
Cubic yards fumigated	6,048
Mosquitoes caught:	0,010
Anopheles	282
Cular (raliaf morts)	831
Number of dogs billed	. 11
Number of rate cought	342
Loade word carbons dienoed of	580
Number of dogs killed Number of rats caught Loads yard garbage disposed of. Number of cans, garbage (2,234 cubic yards).	
Colon dump maintained	66, 308
Colon dump maintained.	0 450
Linear yards ditches maintained	3,478
Square yards vegetation removed:	444 450
Panama Railroad property (76¾ acres) Cristobal and Camp Bierd (6 acres)	441,470
Cristobal and Camp Bierd (6 acres)	29,040

	Parkway and E Street maintained.	
	Sauera yards ailed	39,640
	Square yards oiled. Number of buildings inspected	3,010
	Number receptacles treated. Number of mosquito-breeding places destroyed.	24,697
	Number of mosquito-breeding places destroyed	83
	Number of fly-breeding places destroyed. Gallons larvacide used in Colon and E Street.	40
	Gallons larvacide used in Colon and E Street	2671
	Gallons crude oil used in Colon and E Street	741
	Number nuisances abated	124
	Building, Colon:	17
١	Number of plans approved. Number of permits to occupy issued	2
	Number of permits to repair issued	78
	Number of permits to repair issued	65
	Sewers, Colon:	
	Number of new connections made during month	2
	Total number connections made to date. Number of houses in which extensions were made	1.188
	Number of houses in which extensions were made	2
	Outstanding permits	88
	Number of cong gorbogo (792 cubic words)	12 077
	Number of caus, garbage (723 cubic yards) Loads of yard garbage handled. Square yards vegetation removed.	13,077 175
	Square yards vegetation removed	29,040
	Square yards oiled	14, 750
	Number of receptacles treated	14,750 3,800
	Square yards oiled. Number of receptacles treated. Number of mosquito-breeding places destroyed.	53
	Number of fiv-breeding bigges destroyed	11
	Gallons larvacide used. Gallons crude oil used. Number of buildings inspected.	59
	Gallons crude oil used	252
	Number of buildings inspected	350
	Sanitation, Mount Hope:	1 060
	Number of ears, garbage (186 cubic yards). Square yards oiled. Number of receptacles treated. Number of mosquito-breeding places destroyed. Number of the breeding places destroyed.	1,860 161,900
	Number of recentscles treeted	14, 850
	Number of mosquito-breeding places destroyed	186
	Number of fly-breeding places destroyed.	100
	Number of magnitoes cought in harrocks:	
	Anopheles	121
	Culex	2, 297
	Culex. Number of mosquitoes caught in cars and quarters (village): Anopheles.	0.000
	Anopheles	2,296
	Culley larvoide wed	3,312 476
	Gallons larvacide used	1,385.54
	Mount Hope Cametery maintained	1,000.01
	Linear yards ditches constructed (901 cubic yards)	3, 182
	Linear yards ditches maintained.	12,642
	Gallons of crude oil used. Mount Hope Cemetery maintained. Linear yards ditches constructed (901 cubic yards). Linear yards ditches maintained. Square yards vegetation removed. Number of burials during the month.	3, 182 12, 642 202, 782
	Number of burials during the month	54
	TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE	TRANS-
	ACTIONS AT THE PORTS OF BALBOA-PANAMA AND	COLON-
	CRISTOBAL.	0011011
	ORISTODAL.	
	Number of vessels inspected and passed	
	Number of vessels held in quarantine	
	Total number of vessels entered	221
	Supplementary inspections of vessels detained	7
	Number of vessels fumigated on arrival 10	
	Total number of vessels entered Supplementary inspections of vessels detained Number of vessels fumigated on arrival Number of vessels fumigated on departure. 2	
	Total number of vessels fumigated.	12
	Number of crew examined	14
	Number of crew examined	
	troops)	
	Total number of persons examined	19,714

pplementary inspections
1,50 compulsory vaccination law. 715 number of persons vaccinated. 1,50 ersons held in quarantine at the detention houses to eriod of incubation of yellow fever and plague. 279 ersons held in quarantine on board vessels to comic of incubation of yellow fever and plague. 1,872 number of persons held under observation. 2,150 incubation of yellow fever and plague. 2,150 incubation of yellow fever and plague. 3,270 incubation of yellow fever and plague. 2,150 incubation of yellow fever and plague. 3,270 incubation of yellow fever and plague. 2,150 incubation of yellow fever and plague. 3,270 incubation of yellow fever and plague. 2,150 incubation of yellow fever and plague. 2,70 incuba
number of persons vaccinated
1,872 1,872 2,152 2,152 2,152 2,152 2,153 2,154 2,154 2,155 2,079 1,198 2,155 2,100 1,240 2,100 1,240 2,100 1,240 2,100 1,240 2,334 2,345 2,345 2,345 2,345 2,345 2,345 3,34
1,872 1,872 2,152 2,152 2,152 2,152 2,153 2,154 2,154 2,155 2,079 1,198 2,155 2,100 1,240 2,100 1,240 2,100 1,240 2,100 1,240 2,334 2,345 2,345 2,345 2,345 2,345 2,345 3,34
1,872 1,872 2,152 2,152 2,152 2,152 2,153 2,154 2,154 2,155 2,079 1,198 2,155 2,100 1,240 2,100 1,240 2,100 1,240 2,100 1,240 2,334 2,345 2,345 2,345 2,345 2,345 2,345 3,34
r of persons landed from foreign ports: 2,079 1,198 2,100 2,100 1,240 3,34 2r of persons arriving from coast towns on small
r of persons landed from foreign ports: 2,079 1,198 2,100 2,100 1,240 3,34 2r of persons arriving from coast towns on small
2,079 1,198 3,27 r of persons embarked for foreign ports: 2,100 1,240 3,34 er of persons arriving from coast towns on small
r of persons embarked for foreign ports: 2,100 1,240 3,34 er of persons arriving from coast towns on small
2,100 1,240 2,344 2,701 persons arriving from coast towns on small
er of persons arriving from coast towns on small
er of persons arriving from coast towns on small
a or persons arriving from coast towns on sman
nd sailing craft
r of persons sailing for coast towns on small launches
rease for month from coast towns
21
42
nmigrants recommended for deportation
ills of health issued or viséed
spections of docks. 2 spections of vessels at docks. 16
r of persons landed 5,437 ther for Pacific ports 219
5.21
r of persons sailing 4, 92 at increase for month 29
it increase for month
Treasure Duncan man Conser
IMMIGRATION REPORT FOR COLON.
IMMIGRATION REPORT FOR COLON.
From— Cabin. Steerage
From— Cabin. Steerage
From— Cabin. Steerage
From— Cabin. Steerage 33 1 3 799 12 West Indies 103 35
From— Cabin. Steerage 33 1 5 799 12 West Indies 103 35
From— Cabin. Steerage 33 1 5 799 12 West Indies 103 35 16 59
From— Cabin. Steerage 33 1 5 799 12 West Indies 103 35 16 59 9 42 1 142 3
From— Cabin. Steerage 33 1 5 799 12 West Indies 103 35 16 59 9 42 1 142 3
From— Cabin. Steerage 33 1 5 799 12 West Indies 103 35 16 59 9 12 17 16 59 9 18 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18

QUARANTINE, BOCAS DEL TORO.

Number of vessels inspected and passed Number of crew inspected and passed Number of passengers inspected and passed Number of passengers inspected and passed. Number of passengers, in transit, inspected and passed.	198
No quarantinable diseases has appeared in this port, and the health condition the port and surrounding territory are good.	ns of

TABLE XIX.—STATEMENT OF QUININE ISSUED.

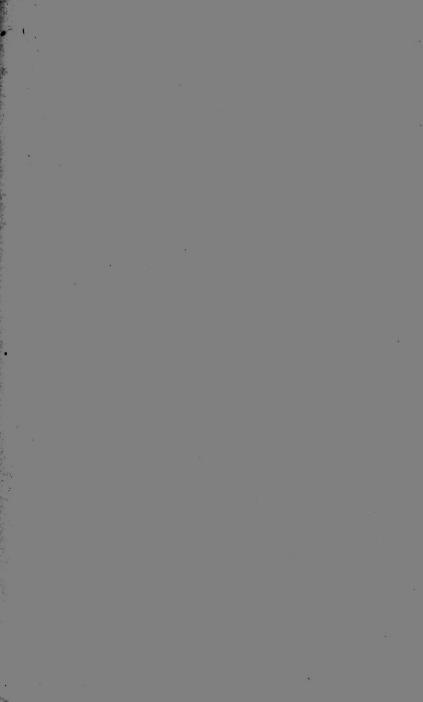
, ·	Cilos.
Quinine sulphate	27. 0 6. 2
Total	43. 2

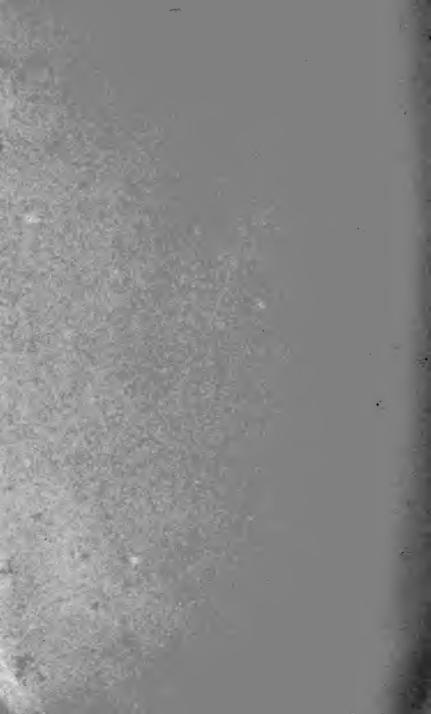
TABLE XX.-PERSONNEL REPORT.

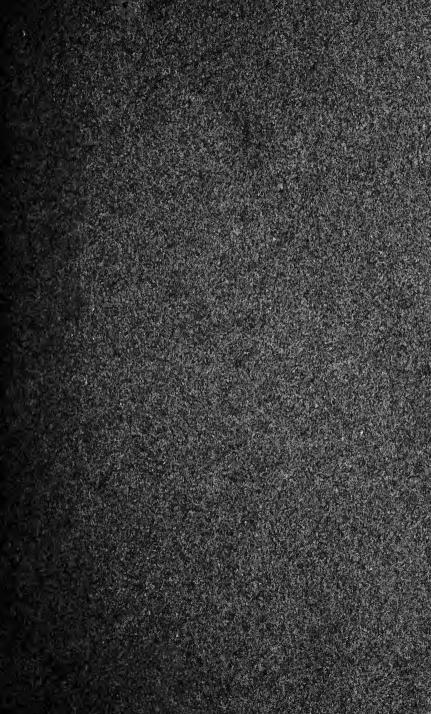
	Augus	August, 1915.			
	Officers and em- ployees.	Skilled and un- skilled labor.	Total.	July, 1915, total.	August, 1914, total.
Chief health office	4 4	4	4 8	4 10	13
Quarantine division	25 20	18 153	43 173	160 160	42 150
Health office, ColonAncon Hospital	17 221 26	150 102 8	167 323 34	159 341 34	157 376 37
Santo Tomas Hospital Palo Seco Leper Asylum	4 12	23	4 35	5 32	18
Zone sanitation	20 4	106 41	126 45	113 50	118 51
Balboa Corozal	4		6	6	6
Culebra Empire Gamboa			1	·····i	5
Gatun	4		4	4	1
Naos. Paraiso. Pedro Miguel	1 4		1 4 3	1 4 3	1
Total	380	605	985	973	1,000

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